

FEATURES
source
1. 19
Location/Qualifiers
/organism="unknown"
/mol_type="unassigned DNA"

ORIGIN

Query Match 100.0%; Score 12; DB 6; Length 19;
Best Local Similarity 100.0%; Pred. No. 5.9e+04;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGAAGTAAAAA 12
DB 14 GGAAGTAAAAA 3

RESULT 2
LOCUS AR147023 28 bp DNA linear PAT 08-AUG-2001
DEFINITION Sequence 84 from patent US 6221361.
ACCESSION AR147023
VERSION AR147023.1 GI:15110826
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.

REFERENCE 1 (bases 1 to 28)
AUTHORS Cochran, M.D. and Junker, D.E.
TITLE Recombinant virus expressing foreign DNA encoding feline CD80,
JOURNAL Patent: US 6221361-A 84 24-APR-2001;
FEATURES
source
1. 28
Location/Qualifiers
/organism="unknown"
/mol_type="unassigned DNA"

ORIGIN

Query Match 100.0%; Score 12; DB 6; Length 28;
Best Local Similarity 100.0%; Pred. No. 5.6e+04;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGAAGTAAAAA 12
DB 27 GGAAGTAAAAA 16

RESULT 3
LOCUS BD273541/c 28 bp DNA linear PAT 17-JUL-2003
DEFINITION Recombinant virus expressing foreign DNA encoding feline CD80,
feline CD86, feline CTLA-4 or feline interferon-gamma and uses
thereof.
ACCESSION BD273541
VERSION BD273541.1 GI:33083309
KEYWORDS JP 2002513581-A/75.
SOURCE unidentified
ORGANISM unclassified.

REFERENCE 1 (bases 1 to 28)
AUTHORS Winslow, B.J. and Cochran, M.D.
TITLE Recombinant virus expressing foreign DNA encoding feline CD80,
feline CD86, feline CTLA-4 or feline interferon-gamma and uses
JOURNAL Patent: JP 2002513581-A 75 14-MAY-2002;
COMMENT SCHERING-PLOUGH LTD
OS Unidentified
PN JP 2002513581-A/75
PD 14-MAY-2002
PF 10-APR-1999 JP 2000547248
PI 01-MAY-1998 US 09/071211
PI BARBARA J WINSLOW, MARK D COCHRAN
PC C12N15/09 A61K39/12 A61K39/15 A61K39/215 A61K39/23,
PC A61K39/245
PC A61K48/00 A61P43/00 C12N7/00//C07K14/705, C12N15/00 CC PIV
FPR downstream primer
FH key Location/Qualifiers

PT source 1. 28
FT Location/Qualifiers
1. 28
Location/Qualifiers
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

ORIGIN

Query Match 100.0%; Score 12; DB 6; Length 28;
Best Local Similarity 100.0%; Pred. No. 5.6e+04;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGAAGTAAAAA 12
DB 27 GGAAGTAAAAA 16

RESULT 4
LOCUS AR267926/c 28 bp DNA linear PAT 10-APR-2003
DEFINITION Sequence 265 from patent US 6497882.
ACCESSION AR267926
VERSION AR267926.1 GI:29698051
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.

REFERENCE 1 (bases 1 to 28)
AUTHORS Cochran, M.D. and Junker, D.E.
TITLE Recombinant swinepox virus
JOURNAL Patent: US 6497882-A 265 24-DEC-2002;
FEATURES
source
1. 28
Location/Qualifiers
/organism="unknown"
/mol_type="genomic DNA"

ORIGIN

Query Match 100.0%; Score 12; DB 6; Length 28;
Best Local Similarity 100.0%; Pred. No. 5.6e+04;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGAAGTAAAAA 12
DB 27 GGAAGTAAAAA 16

RESULT 5
LOCUS AX093873 58 bp DNA linear PAT 30-MAR-2001
DEFINITION Sequence 2 from Patent WO0118039.
ACCESSION AX093873
VERSION AX093873.1 GI:13510091
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.

REFERENCE 1
AUTHORS Pitha-Rove, P.M., Yeow, W.S. and Au, W.C.
TITLE Increased production of interferon- γ (a)
JOURNAL Patent: WO 0118039-A 2 15-MAR-2001;
COMMENT GLAXO GROUP LIMITED (GB)
FEATURES
source
1. 58
Location/Qualifiers
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

ORIGIN

Query Match 100.0%; Score 12; DB 6; Length 58;
Best Local Similarity 100.0%; Pred. No. 5e+04;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: March 25, 2004, 08:39:03 ; Search time 6718.14 Seconds
(without alignments)
6361.316 Million cell updates/sec

Title: US-09-963-285-1_COPY_1250_2235

Perfect score: 986
Sequence: 1 ctgcattccatccagcgc.....gagccgtctcgaagcagca 985

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 3470272 seqs, 21671516995 residues

Total number of hits satisfying chosen parameters: 6940544

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

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1: gb_ba.*

2: gb_hg.*

3: gb_in.*

4: gb_em.*

5: gb_ov.*

6: gb_pat.*

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8: gb_pi.*

9: gb_pr.*

10: gb_ro.*

11: gb_sts.*

12: gb_sy.*

13: gb_un.*

14: gb_vi.*

15: em_ba.*

16: em_fun.*

17: em_hum.*

18: em_in.*

19: em_mu.*

20: em_om.*

21: em_or.*

22: em_ov.*

23: em_pat.*

24: em_ph.*

25: em_pi.*

26: em_ro.*

27: em_sts.*

28: em_un.*

29: em_vi.*

30: em_htg_hum.*

31: em_htg_inv.*

32: em_htg_other.*

33: em_htg_mus.*

34: em_htg_pln.*

35: em_htg_rdt.*

36: em_htg_man.*

37: em_htg_vrt.*

38: em_sy.*

39: em_hgo_hum.*

40: em_hgo_mus.*

41: em_hgo_other.*

Estimated number of results predicted by chance to have a

score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	986	100.0	3289	9 HSMFH1	Y08223 H.sapiens M
2	954	96.8	16856	9 AC009108	AC009108 Homo sapi
3	298.6	30.3	178416	10 AC127554	Y08222 M.musculus
4	290	29.4	6021	10 NM007840	Y08222 M.musculus
5	88.4	9.0	159005	2 BX546449	BX546449 Danio rer
6	83	8.4	172868	11 PM23112B	AL684371 Penicilli
7	80.6	8.2	172857	2 BX546428	BX546428 Danio rer
8	78.8	8.1	512500	2 AX655323	AX655323 Sequence
9	75.8	8.1	512500	2 AC124447	AC124447 Homo sapi
10	75.8	8.1	75144	2 AC027483	AC027483 Homo sapi
11	75.6	8.1	885	11 PM7786	AL684389 Penicilli
12	75.6	8.1	11305	8 OSA535061	AJ535061 Oryza sat
13	75.2	8.0	85434	2 AC066610	AC066610 Homo sapi
14	75	8.0	224777	2 AC138109	AC138109 Mus muscu
15	78.8	8.0	93821	2 AC021596	AC021596 Homo sapi
16	78.6	8.0	177948	2 AC146089	AC146089 Pan trogl
17	78	7.9	300695	2 AC079431	AC079431 Mus muscu
18	77.6	7.9	192042	2 AC063969	AC063969 Mus muscu
19	77.4	7.8	1279	11 PM2H12G	AL684340 Penicilli
20	77.4	7.8	181850	2 BX276102	BX276102 Danio rer
21	77.4	7.8	219952	2 AC084804	AC084804 Mus muscu
22	77	7.7	63540	2 AC110231	AC110231 Mus muscu
23	76.6	7.7	63540	2 AC067888	AC067888 Homo sapi
24	76.2	7.7	205691	2 AC105113	AC105113 Homo sapi
25	76.2	7.7	207420	2 AC087227	AC087227 Mus muscu
26	76	7.7	89570	2 AC078884	AC078884 Homo sapi
27	75.6	7.7	89570	2 AC067888	AC067888 Homo sapi
28	75.2	7.6	81767	2 AC021829	AC021829 Homo sapi
29	75.2	7.6	153657	2 BX469301	BX469301 Danio rer
30	75.2	7.6	216645	2 AC119156	AC119156 Mus muscu
31	75	7.6	135552	2 AC019251	AC019251 Homo sapi
32	75	7.6	150822	2 AC051613	AC051613 Mus muscu
33	75	7.6	216332	2 AC145342	AC145342 Pan trogl
34	74.8	7.6	78220	2 AC023212	AC023212 Homo sapi
35	74.8	7.6	138709	2 BX649540	BX649540 Danio rer
36	74.8	7.6	217412	2 AC024400	AC024400 Homo sapi
37	74.6	7.6	52884	2 AC058018	AC058018 Homo sapi
38	74.6	7.6	101083	2 AC139010	AC139010 Homo sapi
39	74.6	7.6	198344	2 AC097872	AC097872 Mus muscu
40	74.6	7.5	252689	2 AC079433	AC079433 Mus muscu
41	74.4	7.5	135119	2 AC011578	AC011578 Homo sapi
42	74.2	7.5	1143	11 PM12A11G	AL684386 Penicilli
43	74.2	7.5	171574	2 AC012100	AC012100 Homo sapi
44	74	7.5	55353	2 AC031017	AC031017 Homo sapi
45	74	7.5	63082	2 AC022663	AC022663 Homo sapi

ALIGNMENTS

RESULT 1
HSMFH1
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS
TITLE

HSMFH1
H.sapiens MFH-1 Gene.
Y08223
Y08223.1 GI:1869804
mesenchyme fork head-1 protein; MFH-1 gene.
mesenchyme fork head-1 protein; MFH-1 gene.
Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
Miyata T., Iida K., Kakinuma H., Yang X.L. and Sugiyama T.
Isolation of the mouse (MFH-1) and human (PMH-1) mesenchyme fork
head-1 genes reveals conservation of their gene and protein

3289 bp DNA linear PRI 14-MAY-1997

JOURNAL
MEDLINE
REFERENCE
AUTHORS
TITLE
JOURNAL
FEATURES
source

structures
 Genomic 41 (3), 459-492 (1997)
 97312712
 9169153
 2 (bases 1 to 3289)
 Miura, N.
 Direct Submission
 Submitted (18-SEP-1996) N. Miura, Akita University School of
 Medicine, Department of Biochemistry, 1-1-1 Hondo, Akita 010, JAPAN
 Location/Qualifiers
 1. 3289
 /organism="Homo sapiens"
 /mol_type="genomic DNA"
 /db_xref="taxon:9606"
 1197. 2702
 /gene="MFH-1"
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 /gene="MFH-1"
 /codon_start=1
 /product="Mesenchyme Fork Head-1"
 /protein_id="CA869400.1"
 /db_xref="GI:1869805"
 /db_xref="COI:Q89898"
 /db_xref="SWISS-PROT:Q89898"
 /translations="MWRKYSVSDPNALGVTPILSEONYPAAGSYGMAFPMVYSGH
 PEQYAGMGSTAPYTHQHPADPDLVFPYSIALIIMAIQNPENKILNGIYQFI
 MDRFFVRENKQONSIRHNLNLECEVFKVPRDDKPGKSGTWLDDPSYMFNGS
 FLRRRFRKKVSKKEBRHLKPPFAASKGAPATPLADAPKEAKKXVKEEAA
 SPALFVITKVELSPGSLGSPRASTPAGSPDGLPEHAAANGLPGEVSENI
 TLATSPGGELSPGAGLGVPPPLAIPYAAAPPAAYQPCAGLEAGAGGQYCSMR
 AMSLYTOERFAMCVFPFALDSDHSPGSPSLNLAAGQEGALAAATGHQHH
 GHHPQAPPPPPAPQPTPQPCAAAQAASWYLNHSGDLNHLPGHTFAAQOQTFFNY
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 Query Match 100.0%; Score 986; DB 9; Length 3289;
 Best Local Similarity 100.0%; Pred. No. 4.5e-169;
 Matches 986; Conservative 0; Mismatches 0; Indels 0; Caps 0;

QY 1 CTGCCATTCACATCAGCGGTTGGTTTGTGATCATATACCTGGGCCCATATTA 60
 DB 212 CTGCCATTCACATCAGCGGTTGGTTTGTGATCATATACCTGGGCCCATATTA 271
 QY 61 GGAATCTAATATCGCTTCATCATCATTAATAGAAATATCCAGATCATGTCT 120
 DB 272 GGAATCTAATATCGCTTCATCATCATTAATAGAAATATCCAGATCATGTCT 331
 QY 121 ACTTACAGGCTTTGGAGAGATATTTACTCTATTAATCATCTATTATATTTCA 180
 DB 332 ACTTACAGGCTTTGGAGAGATATTTACTCTATTAATCATCTATTATATTTCA 391
 QY 181 AATTGATTTTTTAAACAGAGGAAGTGGCTATCTTTTGTGGGATGTGGGCCCAT 240
 DB 392 AATTGATTTTTTAAACAGAGGAAGTGGCTATCTTTTGTGGGATGTGGGCCCAT 451
 QY 241 TCACCAAAATGTGATCAATAAATAATTTAATAGATATACTTTTAAAAAGTTTCA 300
 DB 452 TCACCAAAATGTGATCAATAAATAATTTAATAGATATACTTTTAAAAAGTTTCA 511
 QY 301 AGTGAAGAGGATCGCGCGGAGCGCGGGGGGCTTAGAGCCAGCATTTCT 360
 DB 512 AGTGAAGAGGATCGCGCGGAGCGCGGGGGGCTTAGAGCCAGCATTTCT 571
 QY 361 GGGCTCTCGCCCGATTTGGCGCGGACTCTCTAGCTGCGGGTATGGCTCAAGT 420
 DB 572 GGGCTCTCGCCCGATTTGGCGCGGACTCTCTAGCTGCGGGTATGGCTCAAGT 631
 QY 421 TCCGGAGAGGGCGTGGCGCGGAGAAAGTAAATTCGCTTTACAGCAAGAGACTTTGA 480
 DB 632 TCCGGAGAGGGCGTGGCGCGGAGAAAGTAAATTCGCTTTACAGCAAGAGACTTTGA 691
 481 AACTTTTCCAAATCCCTAAAAAGGACTTGGCTCTTTTCTGGGCTCAGCGGGGCGCG 540

ORIGIN

RESULT 2
 AC009108/c
 LOCUS
 DEFINITION Homo sapiens chromosome 16 clone RP11-45109, complete sequence.
 AC009108
 VERSION AC009108.10 GI:24418066
 KEYWORDS HTG.
 SOURCE Homo sapiens (human)
 ORGANISM
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE
 AUTHORS DOE Joint Genome Institute, Stanford Human Genome Center and Los
 Alamos National Laboratory.
 TITLE Direct Submission
 JOURNAL Unpublished
 REFERENCE
 AUTHORS DOE Joint Genome Institute.
 TITLE Direct Submission
 JOURNAL Submitted (03-AUG-1999) Production Sequencing Facility, DOE Joint
 Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA.
 REFERENCE
 AUTHORS DOE Joint Genome Institute, Stanford Human Genome Center and Los
 Alamos National Laboratory.
 TITLE Direct Submission
 JOURNAL Submitted (29-OCT-2002) DOE Joint Genome Institute, 2800 Mitchell
 Drive, Walnut Creek, CA 94598, USA
 COMMENT On Oct 29, 2002 this sequence version replaced gi:13786306.
 Draft sequence produced by DOE Joint Genome Institute
 www.jgi.doe.gov
 Finishing completed at Stanford Human Genome Center and Los Alamos
 National Laboratory
 www.sngc.stanford.edu
 Quality: Phrap Quality >=40 99.9% of Sequence;
 Estimated Total Number of Errors is 0.2.
 Location/Qualifiers
 1. 168656
 /organism="Homo sapiens"

DB 592 AACTTTTCCCATCTCCATAAAGGAGCTTGCCCTCTTTTCTGGGCTCAGCGGCGAGCGG 751
 QY 541 CTGGACACCGCGCGGCTGACCCCTCGGGGCTGCGGATTCGCTGGGGGCTTGAGAGCCCTC 600
 DB 752 CTGGACACCGCGCGGCTGACCCCTCGGGGCTGCGGATTCGCTGGGGGCTTGAGAGCCCTC 811
 QY 601 CTGGCCCTCTCTCTCGCGCGGCGGAGGTCACCTTGCTGCTGCCAGCCGCGGCTCTCGG 660
 DB 812 CTGGCCCTCTCTCTCGCGCGGCGGAGGTCACCTTGCTGCTGCCAGCCGCGGCTCTCGG 871
 QY 661 CTGGCTCCGCGGCGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 720
 DB 872 CTGGCTCCGCGGCGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 931
 QY 721 AGCGGGGCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 780
 DB 932 AGCGGGGCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 991
 QY 781 CGCTGAAAGCGCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
 DB 992 CGCTGAAAGCGCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1051
 QY 841 AGCTGTGCGAGGAGCGCGGCGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900
 DB 1052 AGCTGTGCGAGGAGCGCGGCGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1111
 QY 901 CGGCT 960
 DB 1112 CGGCT 1171
 QY 961 CGCGGGGCGAGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 986
 DB 1172 CGCGGGGCGAGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1197

Query Match 100.0%; Score 12; DB 3; Length 361;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGAAGTAAAAA 12
DB 112 GGAAGTAAAAA 101

RESULT 6
US-09-134-000C-1782/c
; Sequence 1782, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; PRIOR FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 1782
; LENGTH: 381
; TYPE: DNA
; ORGANISM: Enterococcus faecalis
US-09-134-000C-1782

Query Match 100.0%; Score 12; DB 4; Length 381;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGAAGTAAAAA 12
DB 67 GGAAGTAAAAA 56

RESULT 7
US-09-621-976-9538
; Sequence 9538, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 9538
; LENGTH: 535
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-9538

Query Match 100.0%; Score 12; DB 4; Length 535;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGAAGTAAAAA 12
DB 513 GGAAGTAAAAA 524

RESULT 8
US-09-918-686-7
; Sequence 7, Application US/09918686
; Patent No. 6475739

GENERAL INFORMATION:
; APPLICANT: Brunkow, Mary
; APPLICANT: Proli, Sean
; APPLICANT: Paspar, Bryan
; APPLICANT: Sealing-Hampton, Karen
; TITLE OF INVENTION: METHODS FOR IDENTIFYING
; FILE REFERENCE: 240083-515
; CURRENT APPLICATION NUMBER: US/09/918,686
; CURRENT FILING DATE: 2001-07-30
; NUMBER OF SEQ ID NOS: 105
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 602
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-918-686-7

Query Match 100.0%; Score 12; DB 4; Length 602;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGAAGTAAAAA 12
DB 118 GGAAGTAAAAA 129

RESULT 9
US-09-328-352-713
; Sequence 713, Application US/09328352
; Patent No. 6569556
; GENERAL INFORMATION:
; APPLICANT: S. L. Bretton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER

; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 713
; LENGTH: 578
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-713

Query Match 100.0%; Score 12; DB 4; Length 678;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGAAGTAAAAA 12
DB 321 GGAAGTAAAAA 332

RESULT 10
US-09-671-317-429
; Sequence 429, Application US/09671317
; Patent No. 6528260
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; APPLICANT: Bouguetelret, Lydie
; APPLICANT: Cohen, Amick
; TITLE OF INVENTION: BIALLIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
; FILE REFERENCE: 62.US3.CIP
; CURRENT APPLICATION NUMBER: US/09/671,317
; CURRENT FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US 09/536,178
; PRIOR FILING DATE: 2000-03-23
; PRIOR APPLICATION NUMBER: PCT/IB00/00403
; PRIOR FILING DATE: 2000-03-24
; PRIOR APPLICATION NUMBER: US 60/126,269
; PRIOR FILING DATE: 1999-03-25

RESULT 11
US-08-512-681-19/c
; Sequence 19, Application US/08512681
; Patent No. 5785976
; GENERAL INFORMATION:
; APPLICANT: Oefner, Peter J.
; TITLE OF INVENTION: Detection of DNA Heteroduplex Molecules
; TITLE OF INVENTION: By Denaturing High Performance Liquid Chromatography and
; TITLE OF INVENTION: Methods for Comparative Sequencing
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Ave., Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/512,681
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Evans, Susan T.
; REGISTRATION NUMBER: 38,443
; REFERENCE/DOCKET NUMBER: 8600-0155
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 22 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: DYS234 REVERSE PRIMER
US-08-512-681-19
Query Match 100.0%; Score 9; DB 1; Length 22;
Best Local Similarity 100.0%; Pred. No. 2.8e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 1 ACAAATGTT 9
DB 14 ACAAATGTT 6
RESULT 12
US-08-822-028-35
; Sequence 15, Application US/08822028
; Patent No. 5993813
; GENERAL INFORMATION:
; APPLICANT: MEZES, PETER S
; APPLICANT: GOSWAMI, BRIAN B
; APPLICANT: RIXON, MARK W
; APPLICANT: ANDERSON, WH KERR
; APPLICANT: KAPLAN, DONALD A
; APPLICANT: SCHOLM, JEFFREY
; TITLE OF INVENTION: A NOVEL FAMILY OF HIGH AFFINITY,
; TITLE OF INVENTION: MODIFIED ANTIBODIES FOR CANCER TREATMENT
; NUMBER OF SEQUENCES: 74
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DUANE C ULMER
; STREET: P.O. BOX 1987
; CITY: MIDLAND
; STATE: MICHIGAN
; COUNTRY: USA

ZIP: 48641-1967
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/822,028
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/040,687
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: ULMER, DUANE C
; REGISTRATION NUMBER: 34,941
; REFERENCE/DOCKET NUMBER: C-37,075C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (517) 636-8104
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 22 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; US-08-822-028-35
Query Match 100.0%; Score 9; DB 2; Length 22;
Best Local Similarity 100.0%; Pred. No. 2.8e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 1 ACAAATGTT 9
DB 12 ACAAATGTT 20
RESULT 13
US-08-743-637B-240/c
; Sequence 240, Application US/08743637B
; Patent No. 5994066
; GENERAL INFORMATION:
; APPLICANT: BERGERON, Michel G.
; APPLICANT: PICARD, Francois J.
; APPLICANT: OUELLETTE, Marc
; APPLICANT: BOY, Paul H.
; TITLE OF INVENTION: SPECIES-SPECIFIC AND UNIVERSAL DNA
; TITLE OF INVENTION: PROBES AND AMPLIFICATION PRIMERS TO RAPIDLY DETECT AND
; TITLE OF INVENTION: IDENTIFY COMMON BACTERIAL PATHOGENS AND ASSOCIATED
; TITLE OF INVENTION: ANTIBIOTIC RESISTANCE GENES FROM CLINICAL SPECIMENS
; NUMBER OF SEQUENCES: 273
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: QUARLES & BRADY
; STREET: 411 EAST WISCONSIN AVENUE
; CITY: MILWAUKEE
; STATE: WISCONSIN
; COUNTRY: USA
; ZIP: 53202-4497
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/743,637B
; FILING DATE: 04 NOV-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/526,840
; FILING DATE: 11-SEP-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: BAKER, Jean C.
; REGISTRATION NUMBER: 35,433
; REFERENCE/DOCKET NUMBER: 850586.90012

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OM nucleic - nucleic search, using sw model

Run on: March 25, 2004, 10:03:04 ; Search time 14.7262 Seconds
(without alignments)
4297.861 Million cell updates/sec

Title: US-09-963-285-1_COPY_359_375
Perfect score: 17
Sequence: 1 tctggaaggaataaata 17

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 2458946 seqs, 1861504846 residues

Total number of hits satisfying chosen parameters: 4917892

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA:

- 1: /cgn2_6/prodata/1/pubna/US07_PUBCOMB.seq*
- 2: /cgn2_6/prodata/1/pubna/PCT_NEW_PUB.seq*
- 3: /cgn2_6/prodata/1/pubna/US06_NEW_PUB.seq*
- 4: /cgn2_6/prodata/1/pubna/US06_PUBCOMB.seq*
- 5: /cgn2_6/prodata/1/pubna/US07_NEW_PUB.seq*
- 6: /cgn2_6/prodata/1/pubna/US07_PUBCOMB.seq*
- 7: /cgn2_6/prodata/1/pubna/US08_NEW_PUB.seq*
- 8: /cgn2_6/prodata/1/pubna/US08_PUBCOMB.seq*
- 9: /cgn2_6/prodata/1/pubna/US09_PUBCOMB.seq*
- 10: /cgn2_6/prodata/1/pubna/US09_PUBCOMB.seq*
- 11: /cgn2_6/prodata/1/pubna/US09_PUBCOMB.seq*
- 12: /cgn2_6/prodata/1/pubna/US09_NEW_PUB.seq*
- 13: /cgn2_6/prodata/1/pubna/US10_PUBCOMB.seq*
- 14: /cgn2_6/prodata/1/pubna/US10_PUBCOMB.seq*
- 15: /cgn2_6/prodata/1/pubna/US10_PUBCOMB.seq*
- 16: /cgn2_6/prodata/1/pubna/US10_PUBCOMB.seq*
- 17: /cgn2_6/prodata/1/pubna/US10_PUBCOMB.seq*
- 18: /cgn2_6/prodata/1/pubna/US10_PUBCOMB.seq*
- 19: /cgn2_6/prodata/1/pubna/US10_PUBCOMB.seq*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	17	100.0	962	15	US-10-027-632-9718
2	17	100.0	6458	9	Sequence 9718, Ap
3	16	94.1	493	12	Sequence 1, Appl
4	16	94.1	2523	12	Sequence 107702, A
5	16	94.1	21619	10	Sequence 82796, A
6	16	94.1	21619	14	Sequence 10003, A
7	15.4	90.6	50	15	Sequence 977, Ap
8	15.4	90.6	359	12	Sequence 1138, Ap
9	15.4	90.6	386	10	Sequence 64036, A
10	15.4	90.6	493	12	Sequence 17187, A
11	15.4	90.6	589	15	Sequence 22032, A
12	15.4	90.6	589	15	Sequence 242033, A
13	15.4	90.6	606	12	Sequence 242034, A
14	15.4	90.6	616	12	Sequence 141232, A
15	15.4	90.6	676	15	Sequence 63676, A
					Sequence 148185, A

c	16	15.4	90.6	820	12	US-10-424-599-37752
c	17	15.4	90.6	831	12	US-10-424-599-43641
	18	15.4	90.6	1228	15	US-10-027-632-256262
	19	15.4	90.6	1228	15	US-10-027-632-256263
	20	15.4	90.6	1228	15	US-10-027-632-256264
	21	15.4	90.6	1555	14	US-10-106-698-95
	22	15.4	90.6	1780	15	US-10-087-080-24
	23	15.4	90.6	2336	12	US-10-424-599-345-12
	24	15.4	90.6	2336	12	US-10-274-177-12
	25	15.4	90.6	2336	15	US-10-342-434-17
	26	15.4	90.6	2336	15	US-10-087-080-27
	27	15.4	90.6	5219	15	US-10-062-674-2121
	28	15.4	90.6	6021	9	US-09-963-285-5
	29	15.4	90.6	6052	12	US-10-221-613-351
	30	15.4	90.6	7133	14	US-10-198-846-13766
	31	15.4	90.6	8197	14	US-10-240-485-68
	32	15.4	90.6	16281	9	US-09-764-647-1367
	33	15.4	90.6	16281	14	US-10-092-154-1367
	34	15.4	90.6	16285	9	US-09-764-647-1368
	35	15.4	90.6	16285	9	US-09-764-647-1369
	36	15.4	90.6	16285	14	US-10-092-154-1368
	37	15.4	90.6	16285	14	US-10-092-154-1369
	38	15.4	90.6	17294	14	US-10-311-453-959
	39	15.4	90.6	52216	9	US-09-747-810-1
	40	15.4	90.6	180557	13	US-10-003-806-6
	41	15.4	90.6	180557	13	US-10-003-806-9
	42	15.4	90.6	196510	14	US-10-043-715-1
c	43	15	88.2	276	12	US-10-424-599-8323
	44	15	88.2	357	14	US-10-073-644C-1
	45	15	88.2	581	15	US-10-027-632-234237

ALIGNMENTS

RESULT 1
US-10-027-632-9718
Sequence 9718, Ap Publication US10027632
Publication No. US20030204075A9
GENERAL INSTRUCTIONS:
APPLICANT: Wang, David G
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
Polymorphisms in the Human Genome
FILE REFERENCE: 108927.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 9718
LENGTH: 962
TYPE: DNA
ORGANISM: Human
US-10-027-632-9718

Query Match 100.0%; Score 17; DB 15; Length 962;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGTGGAGGAATAAATA 17

Db 727 GTGGAGGGAATAATA 743

RESULT 2

US-09-963-285-1
; Sequence 1, Application US/09963285
; Patent No. US2002090707A1
; GENERAL INFORMATION:
; APPLICANT: Enerbeck, Sven
; APPLICANT: Krock, Katarina
; APPLICANT: Rondahl, Lena
; APPLICANT: Wasserman, Wyeth
; TITLE OF INVENTION: PROMOTER SEQUENCES
; FILE REFERENCE: 13425-042001
; CURRENT APPLICATION NUMBER: US/09/963,285
; CURRENT FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: SE 0004102-0
; PRIOR FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: US 60/238,897
; PRIOR FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: SE 0003435-5
; PRIOR FILING DATE: 2000-09-26
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 6456
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: CDS
; LOCATION: (2235)...(3737)
US-09-963-285-1

Query Match 100.0%; Score 17; DB 9; Length 6458;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTGGAGGGAATAATA 17
DB 359 GTGGAGGGAATAATA 375

RESULT 3

US-10-424-599-107702
; Sequence 107702, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 107702
; LENGTH: 493
; TYPE: DNA
; ORGANISM: Glycine max
; NAME/KEY: unsure
; LOCATION: (1)...(493)
; OTHER INFORMATION: unsure at all n locations
; FEATURE:
; OTHER INFORMATION: Cline ID: PAT MRT3847_66271C.1
US-10-424-599-107702

Query Match 94.1%; Score 16; DB 12; Length 493;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 GTGGAGGGAATAATA 17
DB 233 GTGGAGGGAATAATA 246

RESULT 4

US-10-424-599-82796
; Sequence 82796, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 82796
; LENGTH: 2523
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Cline ID: PAT MRT3847_45782C.1
US-10-424-599-82796

Query Match 94.1%; Score 16; DB 12; Length 2523;
Best Local Similarity 100.0%; Pred. No. 5.2e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 GTGGAGGGAATAATA 17
DB 602 GTGGAGGGAATAATA 617

RESULT 5

US-09-764-891-10003/c
; Sequence 10003, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10003
; LENGTH: 21619
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-10003

Query Match 94.1%; Score 16; DB 10; Length 21619;
Best Local Similarity 100.0%; Pred. No. 6.5e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTGGAGGGAATAAAT 16
DB 5310 GTGGAGGGAATAAAT 5295

RESULT 6

US-10-205-428-977/c
; Sequence 977, Application US/10205428
; Publication No. US20030108907A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies